

## GENERALIZED COLUMNAR SECTION

ERA	Age	Formation	Column	Thickness	Description
CENOZOIC	Quaternary	Alluvium and landslide debris		?	Gravels, sands, silts, clays
		Older alluvium			
	Pliocene	Tulare and non-marine sedimentary rocks		100'+ 4000'	Continental deposits of gravels, sands, clays
	Upper Miocene	Neroly	Upper 	2000'+	Shales, blue sandstone, tuffs
			Lower 	50'-700'	Blue sandstone, andesitic conglomerates, tuffs
		Cierbo		100'-500'	Granuliferous white sands, buff sands, tuffs, conglomerate, coal
MESOZOIC	Middle Eocene	Tesla		2000'	Buff sand, white sands, clays (marine)
					Buff sands, chocolate shales, coal (brackish-water)
	Upper Cretaceous	Moreno		650'	Buff sandstone at top locally. Siliceous, argillaceous, and sandy shales, limestone concretions, sandstone beds
		Panoche		10,000+	Concretionary and massive sandstone, argillaceous and silty shales, conglomerate
Cretaceous and Jurassic		Chert		Chert	Sandstone, shales, chert lenses, conglomerate
		Franciscan Assemblage		15,000'?	Pillow basalt Glaucophane schist Serpentine, diabase, diorite-gabbro
		Schist			

## LEGEND

- Conformable contact
- Unconformity
- Thrust fault

Source: DOE 1992a

Figure 4-5. Generalized Schematic Stratigraphic Column for the Livermore Valley